

MILITARY SPECIFICATION

VIDEO DISC FOR MAPPING, CHARTING AND GEODESY (MC&G)

This amendment forms a part of MIL-V-89300, dated 22 February 1991, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 5

- * Add as new line 3.1.5.1f. (3a):

(3a) Copyright notice (See 3.4)

PAGE 16

- * Add as new section 3.4:

3.4 Copyright note. DMA products may be copyrighted in the name of the U.S. Government in foreign countries that are signatories to the Universal Copyright Convention. To claim this protection, each video disc product shall be labelled with the following copyright notice, as shown on the applicable style sheets of Appendix B:

© COPYRIGHT (YEAR) BY THE UNITED STATES GOVERNMENT - 8 pt. Caps.
NO COPYRIGHT CLAIMED UNDER TITLE 17 U.S.C. - 6 pt. Caps.

The attached insertable replacement pages listed below are replacements for stipulated pages. When new pages have been entered in the document, insert the amendment as the cover sheet to the specification.

<u>Replacement page</u>	<u>Page replaced</u>
35	Reprinted without change
36	36
37	37
38	Reprinted without change

AMSC N/A

AREA MCGT

DISTRIBUTION STATEMENT A. Approved for public release; distribution unlimited.

MIL-V-89300
AMENDMENT 1

<u>Replacement page</u>	<u>Page replaced</u>
43	43
44	44
45	45
46	Reprinted without change

PAGE 82

* Add as a new index line between Coordinates and Coverage Graphics:

Copyright Note..... 3.4 16

NOTE: The margins of this amendment are marked with asterisks to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Custodian:
DMA - MP

Preparing activity:
DMA - MP

Review activities:
Army - PO
Air Force - 09
Navy - NO

(project MCGT-0102)

APPENDIX B

Base maps provided as source material in video disc source packages will vary, depending upon suitability of sources. If 1146 Series sheets are used, the following standards shall be followed:

BASE MAP :

Land Area Background: White.

Open Water Area: Light Gray shall be equivalent to DoD-MC&G

Standard Printing Color #58600

at a 12% Screen. All Map Symbols,

Type, and Line Work: Color shall

be equivalent to a Gray DoD-MC&G

#58400 at a 49% Screen; all map

elements shall be legible on

the video monitor screen; drng pat. shown;

Map Projection: Equi-Rectangular;

internatl boundaries delin.; cap. &

maj. cities shown;

Map Scale: Equivalent to section of

DMA 1146 Map Series at 1:7,000,000

displayed on video screen.

COVERAGE AREA: Yellow Color shall be

readily visible on final image

frame; DoD-MC&G Standard Printing

Color #57875 equivalent with a

semi-transparent appearance allow-

ing line work, type, and map sym-

bols to remain visible underneath.

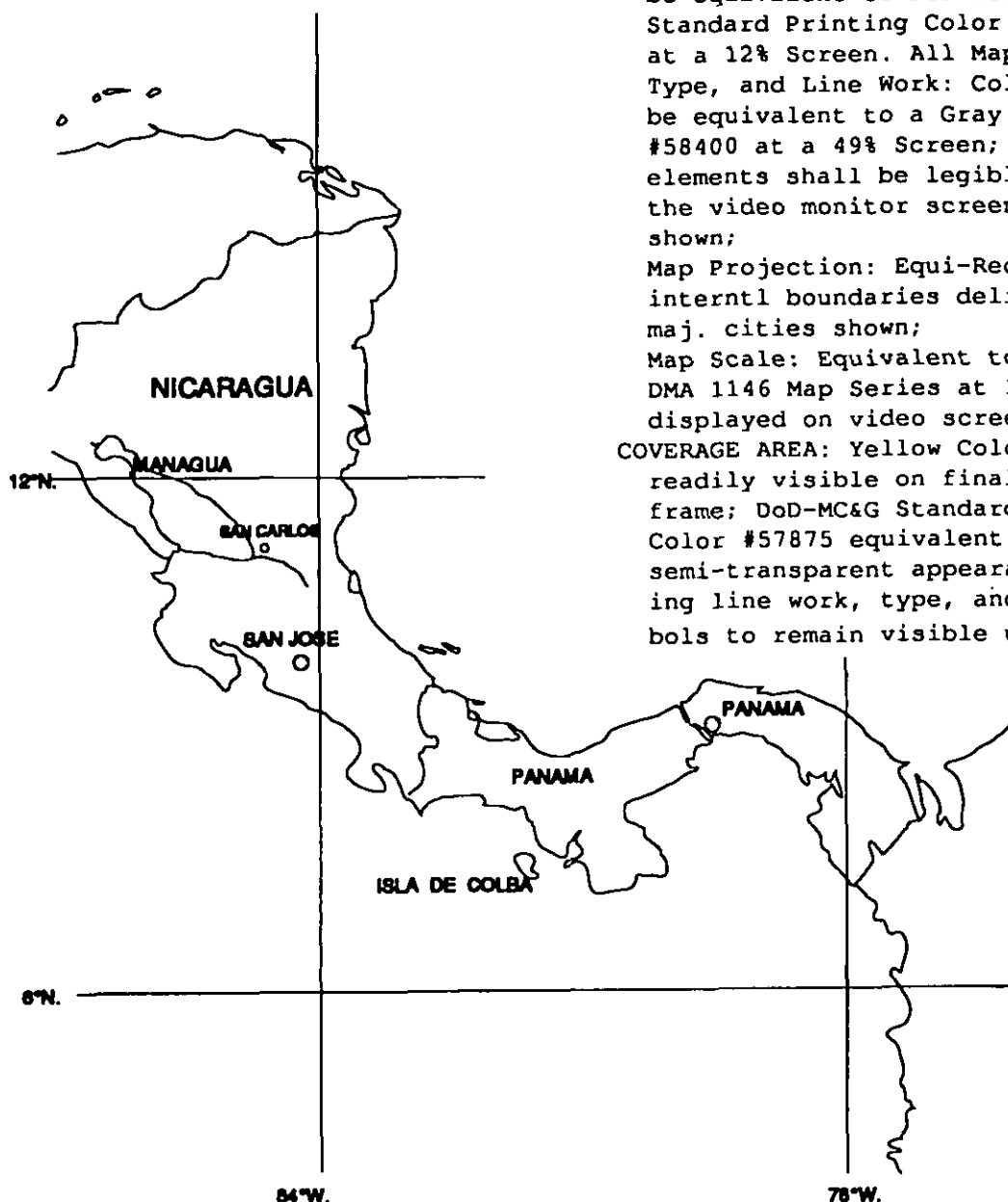


FIGURE 3. Coverage Graphic Showing Large Scale Maps of
Cities and Ports
(Appears on Video Disc in Color).

VIDEO DISC JACKET

STYLE SHEET (FRONT OF SINGLE-SIDED DISC)

Any changes to note will be identified in the source package instruction booklet for a specified video disc.

Special Release Guidance LIMITED DISTRIBUTION: Distribution authorized to the Department of Defense, U.S. DoD contractors and to U.S. Government Agencies supporting DoD functions by authority of the Director, Defense Mapping Agency, 30 May 80. Other requests shall be referred to Headquarters, DMA, ATTN: DMW. Destroy on "For Official Use Only."		UCB10 UCB18 CAPS UCB28 CAPS
CLASSIFICATION		Stock No. VLDXX118565
MAPPING, CHARTING, AND GEODESY (MC&G) VIDEO DISC		"USER RESPONSIBILITY NOTE" (classified only)
VARIOUS MAPS AND CHARTS OF PHILIPPINES AND TAIWAN		UCB4
UCB32 CAPS		UCB14 UCB12
IBM-PC Database IBM-PC Program VAX 11/780 Tape User's Manual	VLDDI118565 VLDSI118400 VLDTI118400 VLDUMTXMANUAL	Prepared by Defense Mapping Agency Hydrographic/Topographic Center Washington, D.C.
Mastering Date: November 26, 1986		U8
Several maps and charts on this disc are based in whole or in part on information from other than official U.S. Government sources. Copyright restrictions of the country of origin continue to exist. Refer to the original source and compilation material for this information.		
The representation of international boundaries on the various maps and charts on this disc is not necessarily authoritative.		
Maps and charts appearing on this video disc are the most current editions available at time of imaging.		
THE MAPS AND CHARTS ON THIS DISC ARE NOT MAINTAINED BY NOTICE TO MARINER OR NOTICE TO AIRMEN PUBLICATIONS AND SHOULD NOT BE USED FOR ANY TYPE OF NAVIGATION OR ACCURATE POSITIONING.		
© COPYRIGHT (YEAR) BY THE UNITED STATES GOVERNMENT NO COPYRIGHT CLAIMED UNDER TITLE 17 U.S.C.		
CLASSIFICATION		
UCB16 CAPS		
CONTROL AND RELEASE MARKINGS (CLASS. ONLY)		
UCB16 CAPS		
CLASSIFYING AUTHORITY & DECLASS. NOTE		
DISTRIBUTION LIMITED DESTROY WHEN NO LONGER NEEDED (Unclass. only)		
UCB10 CAPS		

FIGURE 2. Front of Single-Sided Disk.

Any changes to note will be identified in the source package instruction booklet for a specified video disc.

VIDEO DISC JACKET STYLE SHEET (FRONT OF DOUBLE-SIDED DISC)

Special Release Guidance <small>Limitation of Information: This information is authorized to the Department of Defense, U.S. and contractors and to U.S. Government Agencies supporting DoD functions by authority of the Director, Defense Mapping Agency, 30 May 90. Other requests shall be referred to Headquarters, DMA, AFTR: SMP, Bureau as "For Official Use Only."</small>		CLASSIFICATION UCB10 UCB18 CAPS UCB28 CAPS UCB14 UCB12		Stock No. VLDXX118565
MAPPING, CHARTING, AND GEODESY (MC&G) VIDEO DISC VARIOUS MAPS AND CHARTS OF PHILIPPINES AND TAIWAN (Side 1) MALAYSIA AND WESTERN INDONESIA (Side 2)		"USER RESPONSIBILITY NOTE" (classified only)		
IBM-PC Database VLD01118565 IBM-PC Program VLDS1118400 VAX 11/780 Tape VLDT1118400 User's Manual VLDUMTXMANUAL		Prepared by Defense Mapping Agency Hydrographic/Topographic Center Washington, D.C.		
Mastering Date: November 26, 1986		U8		
Several maps and charts on this disc are based in whole or in part on information from other than official U.S. Government sources. Copyright restrictions of the country of origin continue to exist. Refer to the original source and compilation material for this information.				
The representation of international boundaries on the various maps and charts on this disc is not necessarily authoritative.				
Maps and charts appearing on this video disc are the most current editions available at time of imaging.				
THE MAPS AND CHARTS ON THIS DISC ARE NOT MAINTAINED BY NOTICE TO MARINER OR NOTICE TO AIRMEN PUBLICATIONS AND SHOULD NOT BE USED FOR ANY TYPE OF NAVIGATION OR ACCURATE POSITIONING.				
© COPYRIGHT (YEAR) BY THE UNITED STATES GOVERNMENT NO COPYRIGHT CLAIM IS UNDER TITLE 17 U.S.C.				
CLASSIFICATION UCB16 CAPS				
CONTROL AND RELEASE MARKINGS (CLASS. ONLY)				
Users should refer corrections, additions, comments for improving this product to DIRECTOR, DEFENSE MAPPING AGENCY, ATTN: PR, 8613 Lee Highway Fairfax, VA, 22031-2137				
CLASSIFYING AUTHORITY & DECLASS. NOTE UCB10 CAPS				
DISTRIBUTION LIMITED DESTROY WHEN NO LONGER NEEDED (Unclass. only)				

FIGURE 3. Front of Double-Sided Disc.

VIDEO DISC JACKET STYLE SHEET (BACK)

Stock No. ← UB12	CLASSIFICATION ←	UCB18 CAPS
VLDXX118565		
↑		
UCB26 CAPS		
<p>-Store in a cool dry atmosphere. The disc should not be exposed to extreme heat or direct sunlight.</p> <p>Recommended temperature range: 50° - 80° F Recommended humidity range: 20% - 70%</p> <p>-It is recommended that discs be stored vertically with no more than 5° pitch in either direction.</p> <p>-If discs are stored horizontally it is recommended that they be stacked no more than 10 - 12 discs high.</p> <p>-If disc appears to need cleaning due to intensive handling, clean the surface using a commercially available glass cleaner or a plastic polish that contains anti-static and dust repellents.</p>		
→ U8		
		UB12
UCB18 CAPS →	CLASSIFICATION	VLDXX118565
		↑
		UCB26 CAPS

FIGURE 6. Back of Single or Double-Sided Disc.

NOTES:

1. See 30.1.a for explanation of fonts.

VIDEO DISC DATABASE DISKETTE LABEL

STYLE SHEET (FOR SINGLE-SIDED DISCS)

1/2in. DMA Seal

UB4 → CLASSIFICATION
CLASSIFYING AUTH. & DECLASS. NOTE
(CLASS ONLY) UB4 CAPS

Stock No. VLDXI118565

UB6 → UCB10 → UCB10 → UCB8 CAPS → UC6

PHILIPPINES and TAIWAN (VLD 565)

ASCII DATABASE DISKETTE FOR MC&G VIDEO DISC VLDXX118565

Mastering Date: May 27, 1986
(DISTRIBUTION NOTE) (UNCLASS ONLY)

UC8 →

Prepared by Defense Mapping Agency
Hydrographic/Topographic Center
Washington, D.C.

UB6 → Stock No. VLDXI118565

CLASSIFICATION

UC6

UCB10

UB4 CAPS (Class. Only)
UB6 CAPS (Unclass. Only)

UL8 CAPS → © COPYRIGHT (YEAR) BY THE UNITED STATES GOVERNMENT
UL6 CAPS → NO COPYRIGHT CLAIMED UNDER TITLE 17 U.S.C.

SEA STOCK NO. VLDXX118565

18 001

Figure 11. Diskette Labels for Single-Sided Disc.

NOTES:

1. See 30.1.a for explanation of fonts.
2. Size of label is enlarged to show clarity.

VIDEO DISC DATABASE DISKETTE LABEL

STYLE SHEET (FOR DOUBLE-SIDED DISC)

UB4 CAPS (Class. Only)
UB6 CAPS (Unclass. Only)

1/2in.
DMA Seal

UC6
UC8
UB6

UB6
UCB10
UCB10
UCB10
UCB8
CAPS
UC6

CLASSIFICATION
CLASSIFYING AUTH. & DECLASS. NOTE
(CLASS ONLY) UB4 CAPS

Stock No.
VLDDI118565

PHILIPPINES and TAIWAN (VLD565-Side 1)

MALAYSIA and WESTERN INDONESIA (VLD566-Side 2)

ASCII DATABASE DISKETTE FOR MC&G VIDEO DISC VLDXX118565

Mastering Date: May 27, 198
(DISTRIBUTION NOTE)

Prepared by Defense Mapping Agency
Hydrographic/Topographic Center
Washington, D.C.

Stock No.
VLDDI118565

CLASSIFICATION

UCB10

UB4 CAPS (Class. Only)
UB6 CAPS (Unclass. Only)

UL8 CAPS → © COPYRIGHT (YEAR) BY THE UNITED STATES GOVERNMENT
UL6 CAPS → NO COPYRIGHT CLAIMED UNDER TITLE 17 U.S.C.

DATA STOCK NO. VLDXX118565 001

Figure 12. Diskette Labels for Double-Sided Disc.

NOTES:

1. See 30.1.a for explanation of fonts.
2. Size of label is enlarged to show clarity.

VIDEO DISC COMPUTER TAPE LABELS STYLE SHEET

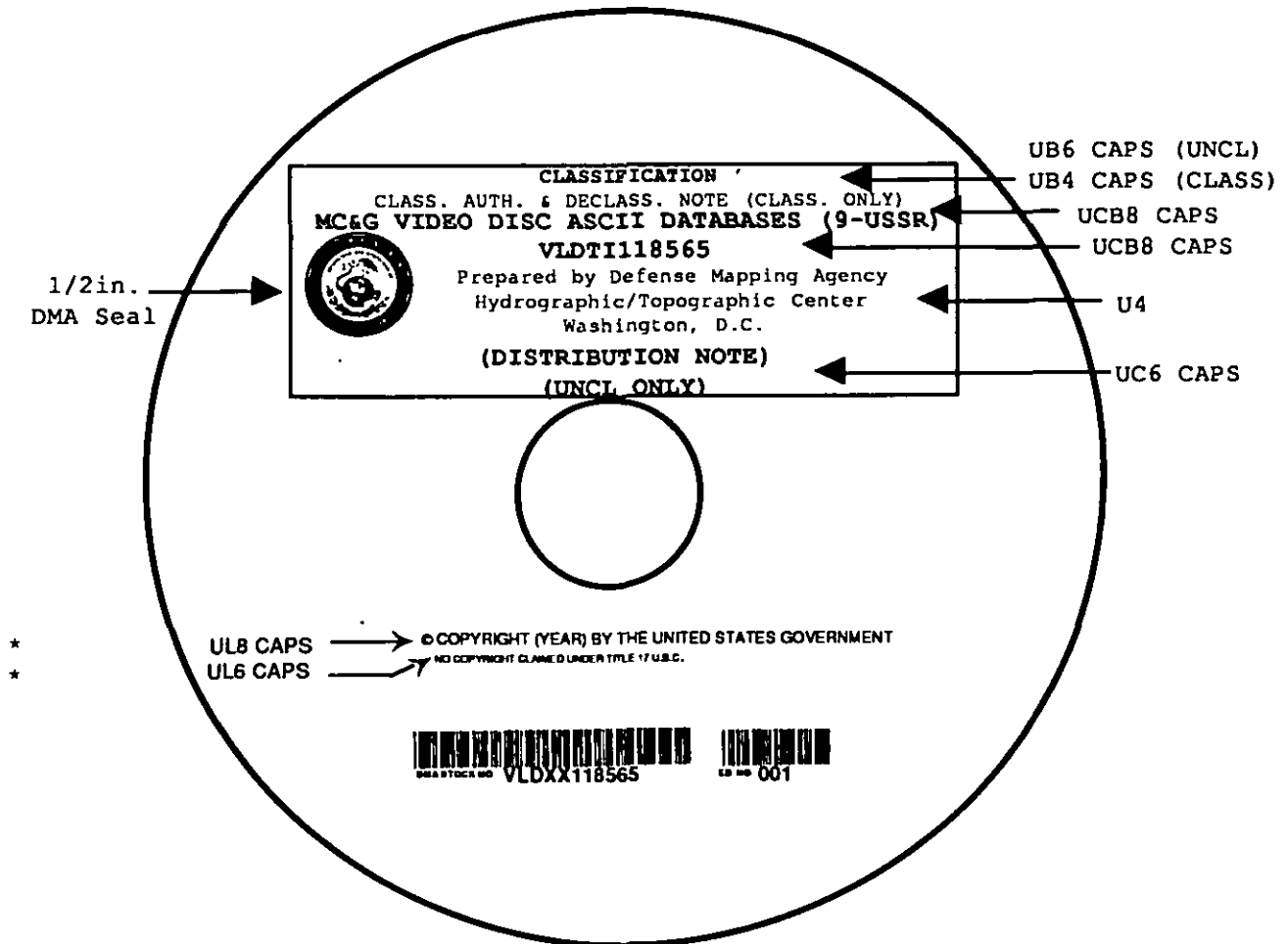


Figure 13. Computer Tape Label.

NOTES:

1. See 30.1.a for explanation of fonts.
2. Size of label is enlarged to show clarity.

VIDEO DISC MAP INDEXING LIBRARY FUNCTIONS

10. SCOPE

10.1 **Scope.** These procedures provide application programs with easy-to-use, rapid, and precise indexing functions for access to video disc-stored map products. The library functions are both hardware and application independent. This appendix is a mandatory part of the specification. The information contained herein is intended for compliance.

20. **APPLICABLE DOCUMENTS.** This section is not applicable to this Appendix.

30. INDEXING LIBRARY FUNCTIONS

a. For optimum performance in carrying out selected library functions an 8087 or 80287 math coprocessor is recommended for IBM PC-based systems.

b. The type definition "ushort" defines a data type capable of representing values in the range of 0 to 54,000. The type definition "long" defines a data type capable of representing values in the range of 0 to $2^{31}-1$.

(1) **NAME**

M__AOCGraphic-Find Area of Coverage Graphic

(a) **SYNOPSIS**

```
result = M__AOCGraphic(lat, lng, frame)
```

int	result;	0 = No graphic
		1 = Graphic and point is
		on graphic
		2 = Graphic and point is not
		on graphic
long	lat;	Desired latitude
long	lng;	Desired longitude
ushort	*frame;	Frame number of AOC graphic

(b) **DESCRIPTION**

This function determines whether there is an Area of Coverage (AOC) graphic whose smallest scale is larger than the current map scale. If there is an AOC graphic, then the graphic is selected. If the desired point appears on the graphic, then the frame returned is the frame for the smallest field of view on which the point appears. If the point is not on the graphic, then the largest field of view for the graphic is selected.